

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF VIDEO DETECTION FOR THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 390 (16TH STREET) AND MD 410 (EAST - WEST HIGHWAY) IN MONTGOMERY COUNTY, MARYLAND. MD 390 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE CONTROLLER WILL BE RETROFITTED TO OPERATE VIDEO DETECTION EQUIPMENT AND APS EQUIPMENT.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

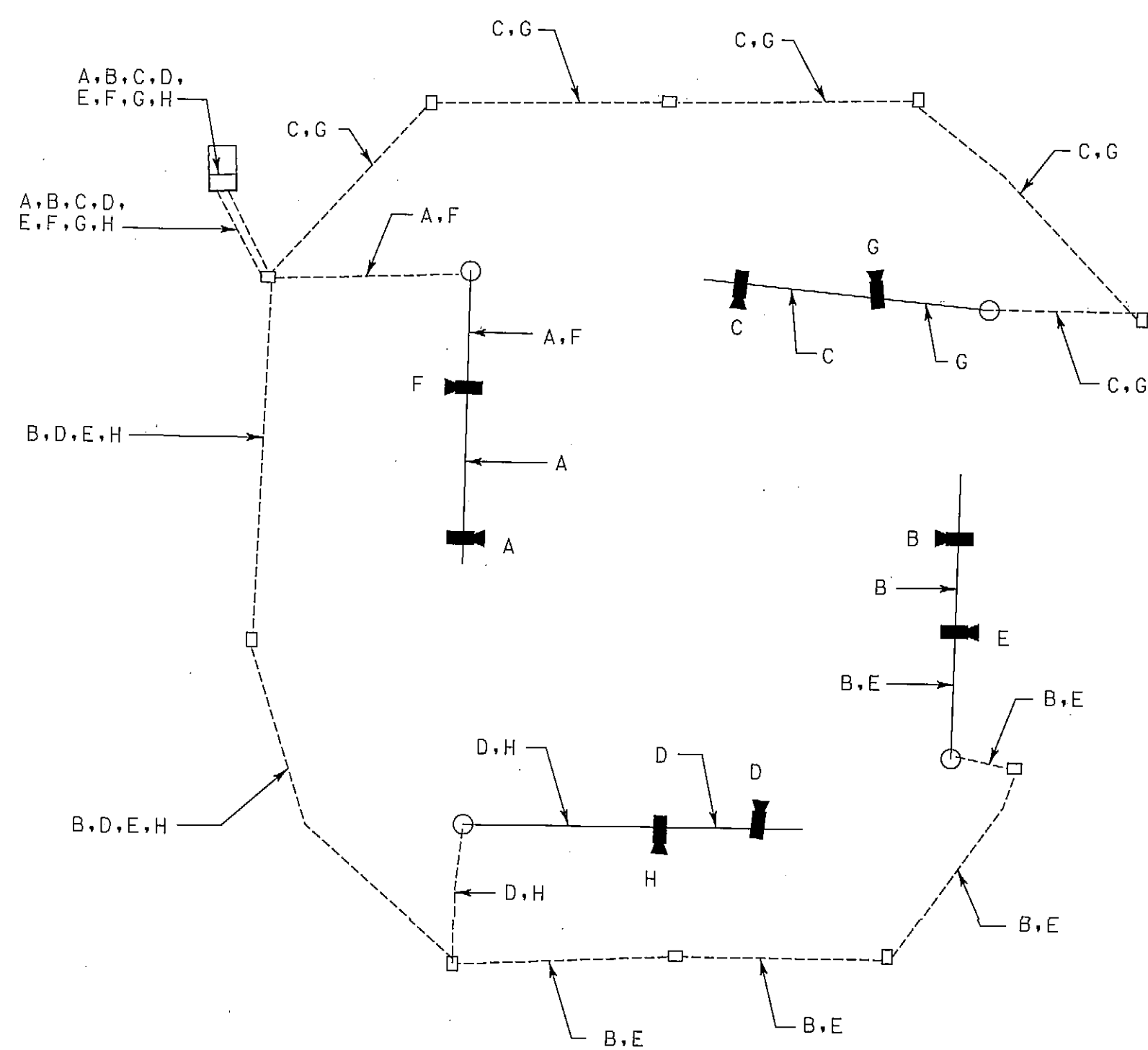
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)

STANDARD NO. MD-104.02-13 (INTERSECTION FLAGGING OPERATION)

STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE)

WIRING DIAGRAM



WIRING KEY

VIDEO CAMERA DETECTION
LEAD-IN CABLE

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

CATEGORY CODE	QUANTITY	DESCRIPTION
900000	1 EACH	VIDEO INTERFACE EQUIPMENT: 1-8 CAMERAS

EQUIPMENT LIST "C"

NO EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MS. CORREN JOHNSON
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

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MR. VICTOR GRAFTON
DISTRICT UTILITY ENGINEER
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MS. ANYESHA MOOKHERJEE
ASSISTANT DISTRICT ENGINEER -
TRAFFIC (MONTGOMERY)
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MR. KAMAL HAMUD
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MR. BOB RICKETTS
MONTGOMERY COUNTY SIGNAL SHOP
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MR. EDWARD RODENHIZER - OOTS
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7650

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
PHASE 1 + 5	G	G	R	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
1 + 5 CHANGE	PHASE 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6																				
PHASE 2 + 6	G	G	G	G	G	G	G	R	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW	DW
PED CLEARANCE	G	G	G	G	G	G	G	R	R	R	R	R	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW	DW
2 + 6 CHANGE	Y	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW
PHASE 4 AND 7	R	R	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW
4 AND 7 CHANGE	PHASE 4 + 7 MAY CHANGE TO PHASE 4 + 8																				
PHASE 4 AND 8	R	R	R	R	R	R	R	G	G	G	G	G	G	G	DW	DW	DW	DW	WK	WK	WK
PED CLEARANCE	R	R	R	R	R	R	R	G	G	G	G	G	G	G	DW	DW	DW	DW	FLDW	FLDW	FLDW
4 + 8 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLR	FLR	FLR	FLR	FLR	FLR	FLR	DARK	DARK	DARK	DARK	DARK	DARK	DARK

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODES	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
860265	3 EACH	RELOCATE EXISTING SIGNAL HEAD
800000	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
800000	8 EACH	VIDEO DETECTION CAMERA AND CABLE



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 390 (16TH STREET) AND MD 410 (EAST-WEST HWY)
Silver Spring, Maryland

GENERAL INFORMATION SHEET

SCALE NONE ADVERTISED DATE 8/14/2013 CONTRACT NO. MO9745377

DESIGNED BY B. DONOWAY COUNTY Montgomery

DRAWN BY B. DONOWAY LOGMILE 15039000.16

CHECKED BY N. Leary TMS NO.

F.A.P. NO. TOD NO.

TS NO. 696 C DRAWING TSP-5 OF 5 SHEET NO. 5 OF 5



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